BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: **Estimate for Improvements to Roads, drains and other works at M.S.Palya cross Roads in Ward No. 11(Kuvempunagara).**

							Est Cost Rs.	**2500000.00**	
I. o	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (**P.No. 136, I.No. 18.18 of CSR 2016-17**)	cum							
	I/f Ameer Fabrication		1	74.00	4.20	0.15	46.62		
	Aisha Hotel Road		1	26.00	3.20	0.15	12.48		
	Nawabsab road		1	27.00	2.80	0.15	11.34		
	Beside Tamarind Tree Road		1	95.00	5.20	0.15	74.10		
	Cross Road		1	68.00	4.50	0.15	45.90		
	Basic Rate	374.00					**190.44**	396.44	**75498.00**
	Area Weightage @ 6%	22.44							
	Total	**396.44**							
	KSRRB M400-6.1. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material **Page No. 154, Item No. 20.4.2 PWD SR 2016-17**	Cum							
	I/f Ameer Fabrication		1	74.00	4.20	0.15	46.62		
	Aisha Hotel Road		1	26.00	3.20	0.15	12.48		
	Nawabsab road		1	27.00	2.80	0.15	11.34		
	Beside Tamarind Tree Road		1	95.00	5.20	0.15	74.10		
	Cross Road		1	68.00	4.50	0.15	45.90		
	Basic Rate	1571.00					**190.44**	1665.26	**317132.00**
	Area Weightage @ 6%	94.26							
	Total	**1665.26**							
	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
	I/f Ameer Fabrication		1	74.00	4.20	0.15	46.62		
	Aisha Hotel Road		1	26.00	3.20	0.15	12.48		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Nawabsab road		1	27.00	2.80	0.15	11.34		
	Beside Tamarind Tree Road		1	95.00	5.20	0.15	74.10		
	Cross Road		1	68.00	4.50	0.15	45.90		
	Basic Rate	4867.00					**190.44**	5159.02	**982484.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
4	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates includin construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum) Page No. 177 / Item No. 22.6.2 PWD SR 2016-17**	Cum							
	I/f Ameer Fabrication		1	74.00	4.20	0.125	38.85		
	Aisha Hotel Road		1	26.00	3.20	0.125	10.40		
	Nawabsab road		1	27.00	2.80	0.125	9.45		
	Beside Tamarind Tree Road		1	95.00	5.20	0.125	61.75		
	Cross Road		1	68.00	4.50	0.125	38.25		
	Basic Rate	5197.00					**158.70**	5508.82	**874250.00**
	Area Weightage @ 6%	311.82							
	Total	**5508.82**							
	Sub Total								**2249364.00**
	KRIDL Charges @ 10%								**224936.00**
	Labour Cess @ 1%								**22494.00**
	Add for unforseen and rounding off	L/S							**3206.00**
								Total	2500000.00
	Rupees Twenty Five lakhs only								

ADMINISTRATIVE APPROVAL
Accorded For Rs. Twenty Five lakhs only
Head of A/c P-1878
Div. Ref. No. 64/17-18 ..... Date. 14/12/2017
AE 14/12
EE(BTP) 14/12

Technical Sanction
Accorded For 25.00 lacks
Head of A/c P1878
CE NO 592/17-18 dt 02/01/18

CE (TNK)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
3 This work included under 2017-18 24.10 % Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
14/12